

Appendix A

Public Notification that a potential event was occurring (40 CFR §50.14(c)(1))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

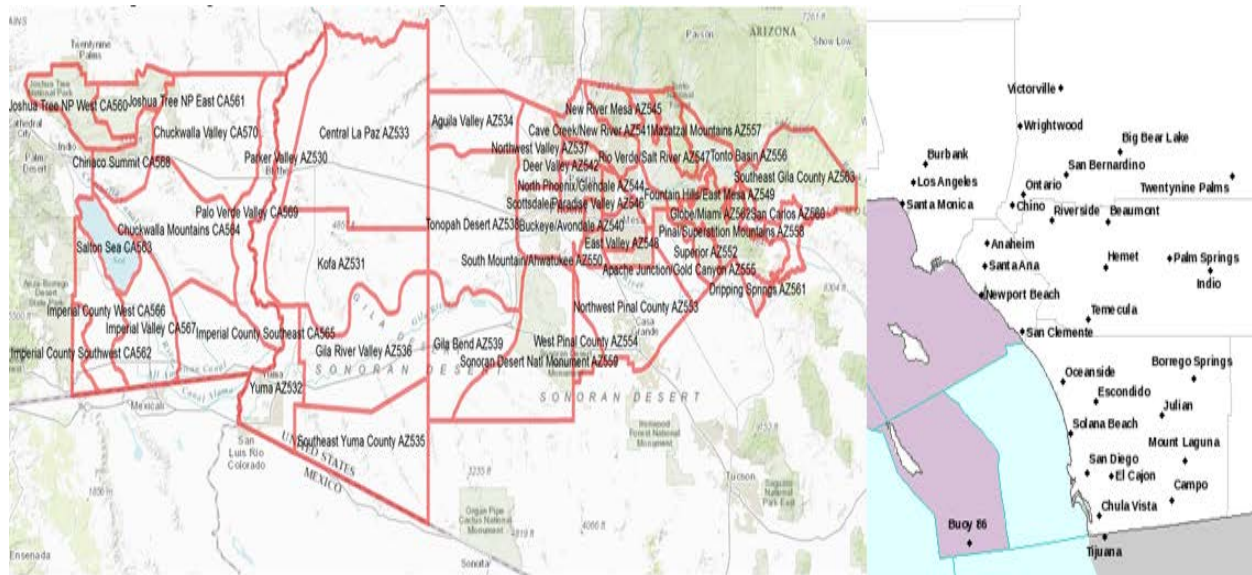


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

An index listing all of the issued NWS Area Forecast Discussions and notices begins with page 69. Beginning on page 73 a listing of all NWS Area Forecast Discussions and notices begin organized by date and time. All referenced notices in the main document are included beginning with page 73.

FIGURE A-2 BLOWING DUST OVER SOUTHEASTERN CALIFORNIA

1/30/2017

Smoke Text Product - Satellite Services Division

Wednesday, July 16, 2014

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0315Z July 17, 2014

SMOKE:**Western and Central Canada/U.S.:**

An extensive area of light to heavy density smoke is visible across much of Canada, originating from wildfires in northern Canada surrounding Great Slave and Great Bear Lake. The extent of the light density smoke is seen eastward over Hudson Bay, northern Quebec and as far as the eastern coast of Greenland, and southward over British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, into the U.S through the Northwestern U.S, northern and central Plains, Mississippi Valley and Great Lakes region. Moderate density smoke is visible over much of the same areas in Canada, and through the Northwestern U.S, northern Plains and upper Mississippi Valley in the U.S. Heavy density smoke is visible over the NW Territories, Nunavut, Hudson Bay, British Columbia, Alberta, Saskatchewan, Manitoba, and into the northern Plains. Relatively newer wildfires in British Columbia are contributing light to heavy density smoke to this much broader plume

Western U.S.:

Wildfires appearing across Washington state and Oregon are emitting light to heavy density smoke across much of the Pacific Northwest and Intermountain West regions. Light density smoke is seen moving southward across Washington, Oregon, Idaho, Nevada, Utah, Wyoming, and Colorado. Moderate smoke is seen in Washington, Oregon, Idaho, Wyoming, and Utah. Heavy density smoke associated with these wildfires is seen in Washington and Oregon. Heavy density smoke can also be seen descending southward across Montana and Idaho, associated with the wildfires occurring in Canada.

DUST:**California:**

An area of blowing dust is visible in southern California moving eastward, extending from the Anza-Borrego desert to the California/Arizona border.

Gulf of Mexico/Gulf States:

Saharan dust is visible over much of the Gulf of Mexico, with the northern extent seen over the coastline of the Gulf States.

Heaps

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE..TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>

GIS: <http://www.firedetect.noaa.gov/viewer.htm>

KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>

ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Unless otherwise indicated:

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2014/2014G170314.html>

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Fig A-2: The above is the released Smoke Text Product issued by NOAA's Satellite Service Division. The notice is for July 16, 2014 up through 0315Z on July 17, 2014 (1915 July 16, 2014). The notice describes the blowing dust as moving eastward from Anza-Borrego to the California/Arizona border.

Source: <http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2014/2014G170314.html>

FIGURE A-3 E-CONSULTA.COM OAXACA FORECAST FOR JULY 16, 2014

2/12/2018 Pronóstico del clima en México para miércoles 16 de julio del 2014 | e-oaxaca.com | Periódico Digital de Noticias de Oaxaca | México 2018 |



e-oaxaca.com



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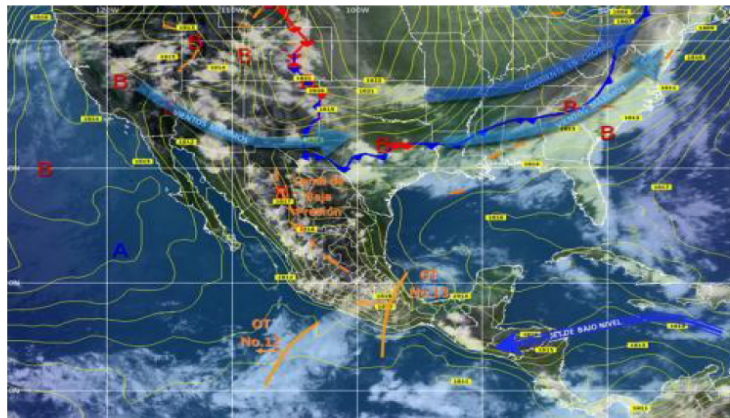
MONDAY, FEBRUARY 12, 2018

Weather

Weather forecast in Mexico for Wednesday, July 16, 2014

Pablo Mejía Tuesday, July 15, 2014 - 22:30

Rains are expected for the north of the country and temperatures that can exceed 40 ° C in the northwest will be maintained.



~~ Mexico.- The passage of tropical wave No. 13 and a large zone of instability will cause storms from very strong to strong in the west, center and south of the country.

Data:

A low pressure channel extending from the northwest to the west of the national territory, will favor cloudy with potential of heavy rains accompanied by electric storms over Jalisco, as well as rains in Sonora, Chihuahua, Sinaloa, Durango, Nayarit, Zacatecas, Aguascalientes and Guanajuato

<http://e-oaxaca.com/nota/2014-07-15/clima-y-sismos/pronostico-del-clima-en-mexico-para-miercoles-16-de-julio-del-2014>

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Fig A-3: The forecast model for July 16, 2014 issued by e-consulta.com in Oaxaca Mexico identifies the low-pressure located to the northwest and west of the national territories of Mexico. Source: <http://e-oaxaca.com/nota/2014-07-15/clima-y-sismos/pronostico-del-clima-en-mexico-para-miercoles-16-de-julio-del-2014>

FIGURE A-4 E-CONSULTA.COM OAXACA FORECAST FOR JULY 17, 2014

2/12/2018

Weather forecast in Mexico for Thursday, July 17, 2014 | e-oaxaca.com | Digital Newspaper of Oaxaca | Mexico 2018 |



e-oaxaca.com

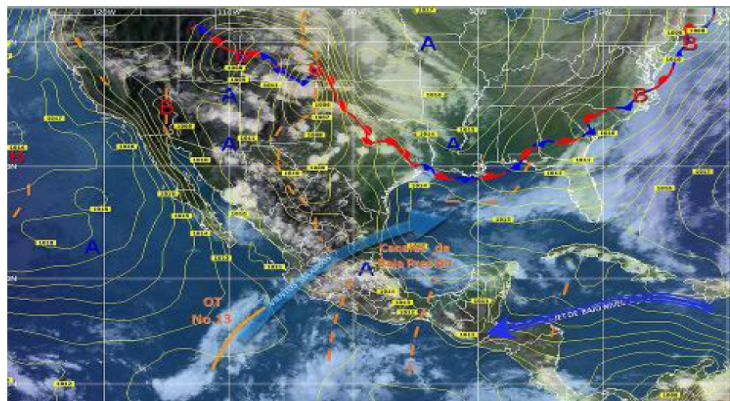

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MONDAY, FEBRUARY 12, 2018

Weather**Weather forecast in Mexico for Thursday, July 17, 2014**

Pablo Mejía Wednesday, July 16, 2014 - 21:32

Rains are expected for the north of the country and temperatures that can exceed 40 ° C in the northwest will be maintained.



~ Mexico.- Two tropical waves and a low pressure channel will favor strong to very strong storms in the west, center, south and southeast of the country.

Data:

The tropical wave No. 13 will extend to the west of the Jalisco coasts, will favor in the west and the center of the country heavy to very strong rains with electric discharges and hailstorms in those regions with intense points in Puebla and the State of Mexico.

Low pressure channel will continue to affect the northwest and north of the national territory, will maintain potential rain accompanied by isolated

<http://e-oaxaca.com/nota/2014-07-16/clima-y-sismos/pronostico-del-clima-en-mexico-para-jueves-17-de-julio-del-2014>

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Fig A-4: The forecast model for July 17, 2014 issued by e-consulta.com in Oaxaca Mexico identifies the continued affect by the low pressure upon the northwest and north part of the country. Source: <http://e-oaxaca.com/nota/2014-07-16/clima-y-sismos/pronostico-del-clima-en-mexico-para-jueves-17-de-julio-del-2014>

**FIGURE A-5
AIR QUALITY LEVELS**

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig A-5: Air quality levels as determined by the EPA. Source: <https://airnow.gov/index.cfm?action=aqibasics.aqi>

FIGURE A-6 IMPERIAL COUNTY ISSUED NO BURN DAY

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Wednesday, July 16, 2014

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	84	S 5	10
8 AM	86	SSW 3	10
9 AM	89	N 5	10
10 AM	91	VRBL 3	10
11 AM	95	E 5	10
NOON	97	NE 7	10
1 PM	100	ESE 10	10
2 PM	100	VRBL 3/G 17	10
3 PM	103	ESE 9	10
4 PM	103	SE 8	10
5 PM	104	E 10/G 16	10
6 PM	104	E 9	10
7 PM	102	ESE 15	10

Max. Temperature yesterday was 105 degrees

Today's Mt. Signal Visibility at 7:30 AM Clear NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 104 to 109

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet	<u>1:00 pm</u>	<u>10:00 am</u>
Forecast of Maximum Mixing Height	<u>5,000</u> feet	<u>9,842</u> feet
Forecast for Morning surface winds	<u>W 10-20/G 30</u> mph	<u>w 10</u> mph
Forecast for afternoon surface winds	<u>W 10-20/G 30</u> mph	<u>w 15-20</u> mph
Forecast for evening surface winds	<u>w 10-20</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>W 5-15</u> mph	

Comments/Complaints: Gusty winds in Imperial County today.

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day XX

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int CM

Fig A-6: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on July 16, 2014

FIGURE A-7

IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION (2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

03/11.

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.


SIGNATURE

Name of Account: I C AIR POLLUTION
CONTROL
Order Number: 11158770
Ad Number: 31381984

* Printer, Foreman of the Printer, or Principal Clerk of the Printer
Date: 12 th day of March, 2018.
at El Centro, California.

This space is for the County Clerk's Filling Stamp:

**OF THE DEMONSTRATION OF THE OCCURRENCE
OF EIGHT EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared eight Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) represent the four Draft EE's.

2014	2015	2016
June 26 Brawley FEM 185 ug/m ³	December 14 Brawley FRM 222 ug/m ³ El Centro FRM 165 ug/m ³ Niland FRM 250 ug/m ³ Westmorland FRM 193 ug/m ³ Brawley FEM 208 ug/m ³ El Centro FEM 201 ug/m ³ Westmorland FEM 183 ug/m ³	September 3 Brawley FEM 275 ug/m ³ El Centro FEM 174 ug/m ³ Westmorland FEM 202 ug/m ³
July 16 Westmorland FRM 167 ug/m ³		September 12 and September 13 Brawley FEM 232 ug/m ³ Westmorland FEM 164 ug/m ³ Brawley FEM 160 ug/m ³ Calaisco FEM 180 ug/m ³ El Centro FEM 179 ug/m ³
September 27 Brawley FEM 219 ug/m ³	December 15 Brawley FEM 645 ug/m ³ Calaisco FEM 238 ug/m ³ El Centro FEM 207 ug/m ³ Niland FEM 530 ug/m ³ Westmorland FEM 733 ug/m ³	
October 30 Brawley FEM 162 ug/m ³		

The public and all interested parties are encouraged to review and comment on the eight Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014, 2015 and 2016 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting Riverside, Imperial and San Diego counties. The eight Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is April 11, 2018 by close of business.

The eight Draft EE's for days listed above are available for download at the Air District website at www.co.imperial.ca.us, under "Air Pollution". To view a hard copy of any of the eight Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 266-1800 and ask for Monica N. Soucier.

L828 M11

Fig A-7: A copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Event Demonstration for July 16, 2014. The date for closing comments was April 11, 2018

FIGURE A-8
IMPERIAL COUNTY
COMMENTS REGARDING THE JULY 16, 2014 EE DEMONSTRATION

The ICAPCD did not receive any comments

NWS INDEX

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	7/14/2014	1757	MST	Phoenix	Blowing Dust Advisory - cancelled	73
Area Forecast Discussion	7/14/2014	2033	MST	Phoenix	Forecast for Phoenix Arizona - Drying by Wednesday	74
Area Forecast Discussion	7/14/2014	2130	PDT	San Diego	The easterly wave that brought today's influx of moisture is currently pushing to the west northwest off the southern California coast while to our east diurnal convection is ongoing over Arizona. Transition to a more southerly flow and drier air	76
Area Forecast Discussion	7/15/2014	240	MST	Phoenix	Previous models forecast a profound drying trend from the west and southwest Wednesday	78
Area Forecast Discussion	7/15/2014	345	PDT	San Diego	The flow pattern is expected to shift to the south and southwest tonight and into tomorrow drier air along with a modest onshore push later this week	80
Area Forecast Discussion	7/15/2014	900	PDT	San Diego	All moisture moving out quickly this AM. Weak high-pressure aloft will continue over California with weak low-pressure hanging off the coast in a rather stagnant pattern for the rest of the week. The Southerly flow will bring in drier air today and Wednesday	82
Area Forecast Discussion	7/15/2014	950	MST	Phoenix	Convective activity along Cochise County east of Lower Colorado River Valley air mass moisture	83
Area Forecast Discussion	7/15/2014	1320	MST	Phoenix	Updated Aviation - With drier air beginning to work in from the west early evening winds for KIPL may veer to westerly headings and hold overnight with speeds only 10kts or less	85

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	7/15/2014	1400	PDT	San Diego	Weak high-pressure aloft will continue over the west with weak low-pressure hanging off the coast in a rather stagnant pattern for the rest of the week. The Southerly flow will continue to bring drier air tonight and Wednesday	87
Area Forecast Discussion	7/15/2014	1520	MST	Phoenix	By Wednesday a drying and warming trend is forecast to last into Friday	88
Area Forecast Discussion	7/15/2014	1806	MST	Phoenix	By Wednesday a drying and warming trend is forecast to last into Friday	90
Area Forecast Discussion	7/15/2014	2040	PDT	San Diego	Through Wednesday... warm and dry conditions	92
Area Forecast Discussion	7/15/2014	2118	MST	Phoenix	No expected additional development overnight	93
Area Forecast Discussion	7/16/2014	316	MST	Phoenix	The anticipated dry advection from the west has already started at the surface. Expect deep monsoon moisture plume to slowly transition eastward today as the mean flow aloft takes on to west-northwesterly headings	95
Area Forecast Discussion	7/16/2014	345	PDT	San Diego	Onshore flow will be increasing through the end of the week. Some indication that the onshore flow could be maximized Friday night through Saturday night as the gradients pick up due to the Pacific Northwest trough feature. Wind gusts could also become rather strong during this timeframe - mainly favored passes and in the higher mountain ranges	97
Area Forecast Discussion	7/16/2014	448	MST	Phoenix	Updated Aviation - Light wind under 10 knots, increasing southwest wind 15 to 20 knots with gusts to 25 knots	98

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	7/16/2014	855	PDT	San Diego	Water vapor imagery shows a somewhat complex pattern over the west this morning. With a narrow ridge high-pressure over the Great Basin being squished from both sides by an upper level low off the Southern California coast and a trough digging over the intermountain west. As a result, the onshore pressure gradients continue to strengthen over Southern California. Locally gusty winds will be possible across the mountains and deserts each afternoon and evening	100
Area Forecast Discussion	7/16/2014	1005	MST	Phoenix	Sharp moisture gradient across Arizona with drier air to the west and more moist air to the east, amplified with even drier air over southeast California.	102
Area Forecast Discussion	7/16/2014	1017	MST	Phoenix	Updated Aviation - Winds will favor typical diurnal trends with brief afternoon gustiness	104
Area Forecast Discussion	7/16/2014	1325	PDT	San Diego	Water vapor imagery continues to show a weak ridge high-pressure being sandwiched between an upper level low off the coast and a trough of low-pressure digging across the intermountain west. As a result, moderate onshore flow continues across the Southern California.	106
Area Forecast Discussion	7/16/2014	1455	MST	Phoenix	As drier air continues to push into Arizona storm chances retreat eastward	108
Area Forecast Discussion	7/16/2014	2045	MST	Phoenix	Low-pressure aloft that is now dropping southward into the Central Rockies has now switched the mid-level flow to a northwesterly one, which is now importing much drier air in from the west.	110

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	7/16/2014	2104	PDT	San Diego	A dry south flow aloft between low-pressure off the coast and high-pressure over the Southern Rockies will keep the weather dry and stable through early next week. Strong onshore surface pressure gradients will maintain a moderate marine layer depth and strong gusty winds through the mountain passes into the deserts	112